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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579,083	12/20/2006	Theodor Gassmann	66968-0030	6357
84362 GKN Driveline	7590 11/17/200 /TTG	EXAMINER		
c/o Kristin L. Murphy			PANG, ROGER L	
39533 Woodwa Bloomfield Hill	ard Avenue, suite 140 ls, MI 48304		ART UNIT	PAPER NUMBER
			3655	
			MAIL DATE	DELIVERY MODE
			11/17/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/579,083	GASSMANN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Roger L. Pang	3655			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on 15 Se	eptember 2009.				
/ <u> </u>	action is non-final.				
·=	, 				
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>8-14,18 and 21-25</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>8-14 and 21-25</u> is/are rejected.					
7) Claim(s) 18 is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.				
Application Papers					
9) The specification is objected to by the Examine	•				
10) ☐ The drawing(s) filed on is/are: a) ☐ acce		Examiner			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
		\			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a)⊠ All b) Some * c) None of:					
	1. Certified copies of the priority documents have been received.				
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	ate Patent Application				
Paper No(s)/Mail Date 6) Other:					

DETAILED ACTION

The following action is in response to the amendment filed for application 10/579,083 on September 15, 2009.

Drawings

The drawings were received on September 15, 2009. These drawings are approved.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 25 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 25 (with the change in dependency) is now a duplicate of claim 21.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 8-14, and 21-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuwahara '479 in view of Trbojevich '183. With regard to claim 8, Kuwahara teaches a transfer box comprising: a housing 84; an input shaft 86; a first output shaft 87 extending coaxially relative to said input shaft; a second output shaft 92 extending parallel to said first output shaft

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and said input shaft; and a differential gear assembly arranged between said input and first output shafts, wherein the input shaft carries a spider member 102 with a plurality of radial bearing arms for the differential gears 103, wherein a first side gear 101 is connected in a rotationally fast way to the first output shaft and wherein a second side gear 100 is rotatably supported on the input shaft and drives the second output shaft, wherein the teeth of the differential gears engage the teeth of the side gears, wherein the first and second side gears are axially supported on one another, wherein a carrier (100 + 104) is firmly connected to one of the fist and second 100 side gears and extends over the other one of the fist and second side gears, wherein the first and second side gears are axially supported on one another via the carrier (Fig. 6). Kuwahara lacks the teaching of the differential gears being spur gears and the side gears being crown gears. Trbojevich teaches a differential assembly comprising: an input shaft 11; a first output shaft 16; a spider member 26 with differential gears 25, a first side gear 20 and a second side gear 32, wherein the differential gears being spur gears and the side gears being crown gears. It would have been obvious to one of ordinary skill at the time of the invention to modify Kuwahara to employ spur differential gears and crown side gears in view of Trbojevich in order to allow more simplified mounting of the differential. With regard to claim 9, Kuwahara teaches the box, wherein a gearwheel or sprocket wheel 88 for driving the second output shaft via a gearwheel stage or chain drive 94 is integrally connected to the second side gear 100. With regard to claim 10, Kuwahara teaches the box, wherein the input shaft 86 and the first output shaft 87 are each singly supported in the housing, and the input shaft is supported by a journal projection in a countersunk end portion of the first output shaft (Fig. 6). With regard to claim 11, Kuwahara teaches the box, wherein the input shaft 86 and the first output shaft 87 are each singly supported

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in the housing, and the input shaft is supported by a journal projection in a countersunk end portion of the first output shaft (Fig. 6). With regard to claim 12, Kuwahara teaches the box, wherein the side gears are axially outwardly supported in opposite directions in the housing via bearings85/96 of the input shaft and the first output shaft. With regard to claim 13, Kuwahara teaches the box, wherein the side gears are axially outwardly supported in opposite directions in the housing via bearings85/96 of the input shaft and the first output shaft. With regard to claim 14, Kuwahara teaches the box, wherein the side gears are axially outwardly supported in opposite directions in the housing via bearings 85/96 of the input shaft and the first output shaft. With regard to claims 21-25, Kuwahara teaches the box, but lacks the teaching wherein the side gears comprise different rolling circle radii to provide a non-uniform torque distribution between the output shafts. Troojevich teaches the box wherein the side gears 20/32 comprise different rolling circle radii to provide a non-uniform torque distribution between the output shafts. It would have been obvious to modify Kuwahara to employ side gears comprising different rolling circle radii to provide a non-uniform torque distribution between the output shafts in view of Trbojevich in order to provide a preferred output driving ratio.

Allowable Subject Matter

Claim 18 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments with respect to claim 8 have been considered but are moot in view of the new ground(s) of rejection.

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FACSIMILE TRANSMISSION

Submission of your response by facsimile transmission is encouraged. The central facsimile number is (571) 273-8300. Recognizing the fact that reducing cycle time in the processing and examination of patent applications will effectively increase a patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as the PTO's mail room processing and delivery time. For a complete list of correspondence not permitted by facsimile transmission, see MPEP 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses requiring a fee which applicant is paying by check should not be submitting by facsimile transmission separately from the check.

Responses submitted by facsimile transmission should include a Certificate of Transmission

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(MPEP 512). The following is an example of the format the certification might take:

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roger L. Pang whose telephone number is 571-272-7096. The examiner can normally be reached on 5:30am to 4:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Le can be reached on 571-272-7092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Roger L Pang/ Primary Examiner, Art Unit 3655

> Roger L Pang Primary Examiner Art Unit 3655

November 10, 2009